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Materialprüfungsamt Nordrhein-Westfalen
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Report of the classification of the reaction to fire performance

No. 230008696-3

issued 21.12.2012

English version

Sponsor

ORAFOL Europe GmbH
Orafolstraße 2

16515 Oranienburg

Order

Classification of the reaction to fire performance according to DIN EN 13501-1:2010-01

Date of order:

13.09.2012

Name of the classified product:

Self-adhesive PVC-foils "ORACAL 631M" glued on the PVC-rigid foam sheet "VEKAPLAN SF, 3 mm"

Notified Body: 0432

This report gives the classification of the above-mentioned building product in accordance to the procedure given in DIN EN 13501-1.

This classification report consists of 3 pages.

1 Description of the building product

Colourless transparent respectively different coloured flexible PVC-foils with an acrylate-based self-adhesive coating on the backside combined with the PVC-rigid foam sheet "VEKAPLAN SF, 3 mm" (densitiy:575 kg/m³ - 750 kg/m³) of the company VEKA AG in Sendenhorst; the surface of the foil is matt.
Thickness of the PVC-foil without the self-adhesive coating: 0,08 mm

2. Test reports and test results supporting the classification

2.1 Test reports

Name of the test laboratory	Sponsor	No. of the test report	Test procedure
MPA NRW	ORAFOL Europe GmbH	230008696-1 230008696-2	**DIN EN ISO 11925 – 2** **DIN EN 13823**

2.2 Test results

The following test results are the basis of the classification

Test method	Parameter	Number of tests per-formed	Test results	
			Average values of continously parameter	Requirements of diskrete parameter
DIN EN ISO 11925-2 30 s flaming time	Flamespread ≤150 mm Burning droplets/particles	48	--	yes no
DIN EN 13823	$FIGRA_{0.2}$ in W/s	3	291	--
	$FIGRA_{0.4}$ in W/s		213	--
	THR_{600s} in MJ		3,7	--
	LFS_{edge}		--	< edge
	SMOGRA in m²/s²		182	--
	TSP_{600s} in m²		270	--
	Duration of burning droplets/particles in s		> 10	--

3. Classification and direct field of application

3.1 Reference

This classification was carried out in accordance to the clauses 11 and 14 of the standard DIN EN 13501-1:2010.

3.2 Classification

The tested building product in relation to its reaction to fire behaviour is classified as: **C**

The additional classification in relation to smoke production is: **s3**

The additional classification in relation to flaming droplets/particles is: **d2**

The classification of the reaction to fire performance is therefore:

Fire behaviour	Smoke development	Flaming droplets
C	**s3**	**d2**

i. e. ***C – s3,d2***

3.3 Field of application of the product

The classification is valid solely for the product described in clause 1 for the application on the PVC-rigid foam sheet "VEKAPLAN SF, 3 mm" (density: 575 kg/m³ - 750 kg/m³) of the company VEKA AG in Sendenhorst.

4. Restrictions

This classification report does not represent type approval or certification of the product.

5. Remark

This classification report written in English language is issued additionally to the report written in German language with the same report number. In case of doubt the German version is valid solely.

Erwitte, 21.12.2012
On behalf

Materialprüfungsamt MPA NRW 15 Nordrhein-Westfalen

Dipl.-Ing. Rademacher
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